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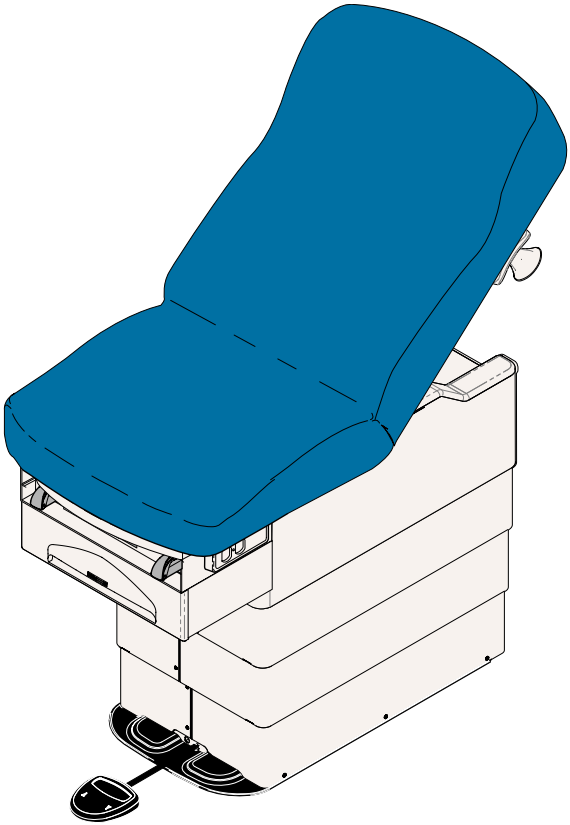
222

Low Height Exam Table

Ritter® by MIDMARK®

Installation & Operation Guide



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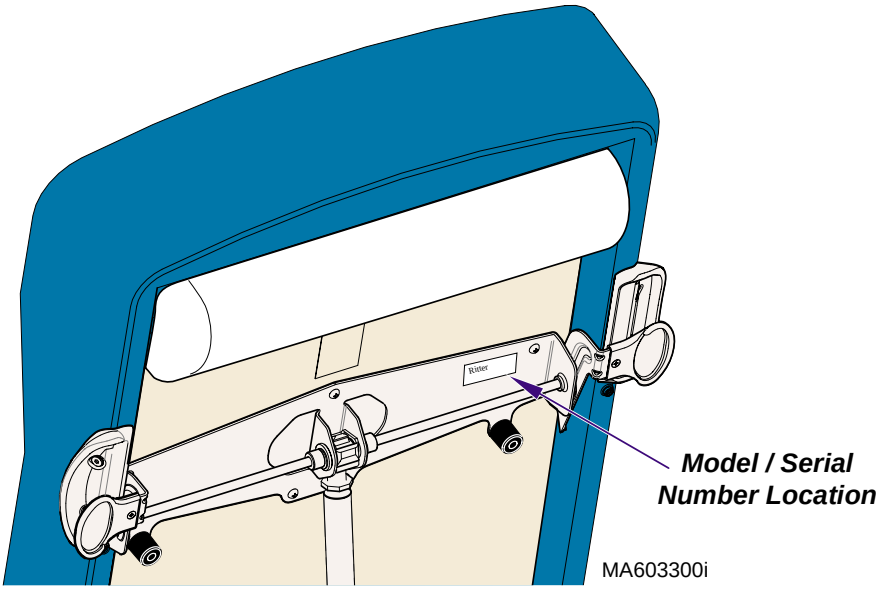
Owner's Product Identification

(Information required when calling for service)

Model Number	***Serial Number***
Name of Owner / Facility / Department	***Date of Purchase***
Name of Authorized Midmark Dealer	Telephone # of Authorized Midmark Dealer
Address of Authorized Midmark Dealer	



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IMPORTANT INFORMATION

Intended Use of Product

This product is intended to be used as a chair / table to provide positioning and support of patients during general examinations and procedures conducted by qualified medical professionals.

Patient Positioning

The table is designed to accommodate the following examination positions:

- Prone
- Supine
- Lateral Sims
- Lithotomy

Electromagnetic Interference

This Midmark table is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this table, remove interfering device from room and/or plug table into an isolated circuit.

Authorized CE Representative

Countries in the EEC should direct all questions, incidents, and complaints to Midmark's Authorized CE representative listed below:

Promotal
22, Rue De St. Denis
53500 Ernee,
FRANCE
Phone: 33-2-430-517-76
Fax: 33-2-430-569-10

Safety Instructions

To assure safe and reliable operation:

- Read and understand this manual before installing or operating the table.
- Inform appropriate personnel of the contents of this manual.
- Store this manual near the table.

Transportation and Storage Conditions

- Ambient Temperature Range:..... +5°C to +38°C (+41°F to 100°F)
- Relative Humidity..... 10% to 90% (non-condensing)
- Atmospheric Pressure ..... 500hPa to 1060hPa (0.49atm to 1.05atm)

Explanation of Safety Symbols and Notes

DANGER
Indicates an imminently hazardous situation which, if not avoided, will result in a serious or fatal injury. The DANGER symbol is limited to the most extreme situations.

WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in serious injury.

CAUTION
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

EQUIPMENT ALERT
Indicates an imminently or potentially hazardous situation which, if not avoided, will or may result in serious, moderate, or minor equipment damage.

NOTE
Amplifies an operating procedure, practice, or condition.

Consult operator's manual for important information

Proper shipping orientation

Fragile.

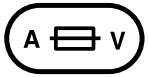
Type B, Applied Part.

Protective earth ground

Duty cycle: (motor run time 30 seconds on, 5 minutes off).

Keep dry.

Maximum stacking height of ***palleted*** units



Fuse rating specification

Dangerous voltage / shock hazard.

IPX1 Protected against dripping water.

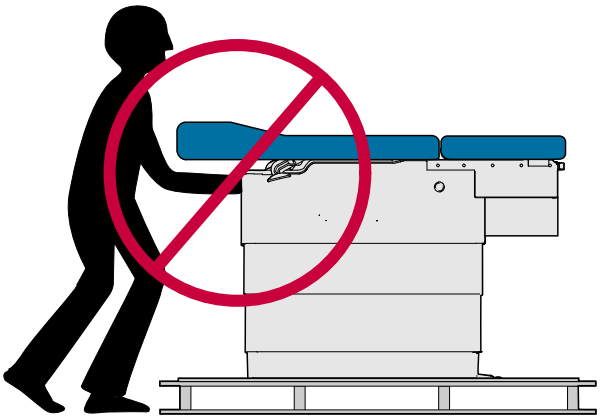
Medical Equipment
UL2601-1
94XM
Midmark Corporation

This product has been evaluated with respect to electrical shock, fire & mechanical hazards only, in accordance with UL2601-1 and CAN/CSA C22.2 NO. 601.1.

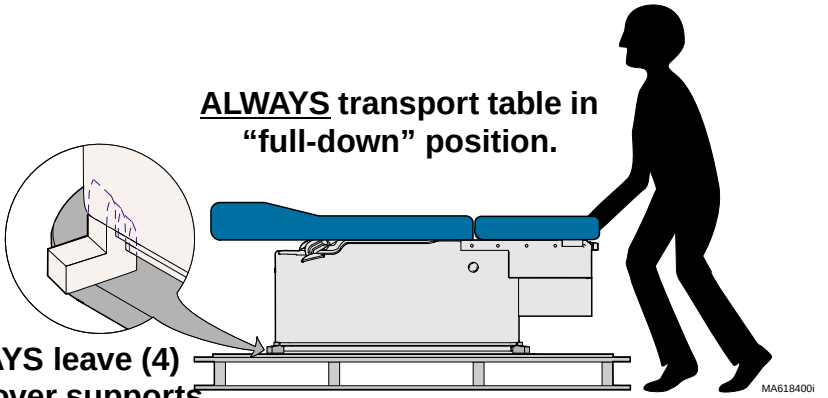
INSTALLATION

EQUIPMENT ALERT

NEVER push on base covers when moving table.



ALWAYS transport table in "full-down" position.



ALWAYS leave (4) base cover supports in place until final delivery.

Failure to comply may result in damage to table.

Unpacking *[Figure 1]*

NOTE
Inspect for shipping damage. If damage is apparent, file a Concealed Damage Report with the shipping company immediately.

A. Remove four 5/16” bolts & shroud packing material.

B. Slide table so that approx. 1/2 of table overhangs skid.

CAUTION
Table weighs approx. 325 lbs (147.4 kg), use an assistant to lift table.

C. Pull footrest out.
Lift up on footrest to raise table off of skid.
Do not lift using stirrups.

CAUTION
To prevent injury or damage, be sure area is clear before lowering table.

D. Slide skid away from table. Carefully lower table.

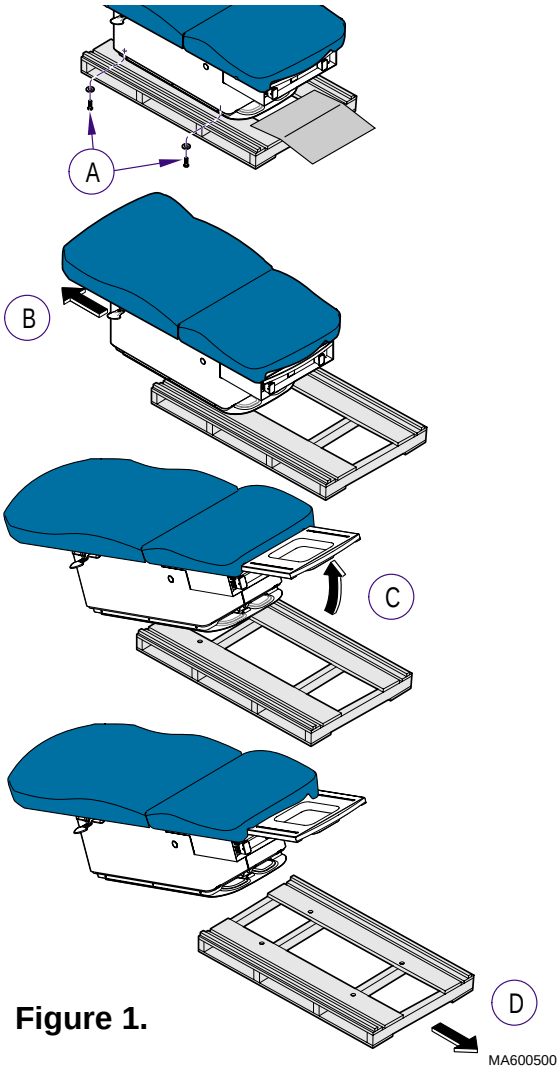


Figure 1.

Leveling the Table

[Figure 2]

- Adjust two leveling screws *[under head end of table]* until table is level.

  The table should be supported by the two leveling screws and the two feet at the foot end.

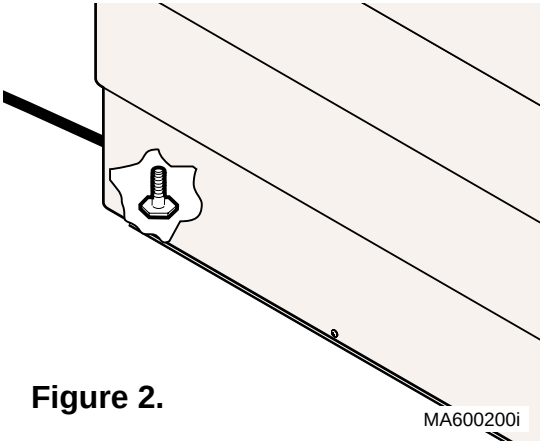


Figure 2.

Installing Non-Slip Pads *[Figure 3]*

The table may slide if placed on a tile floor or other smooth surface. Use the non-slip pads *(provided)* to prevent unwanted movement.

A. Lift foot end of table.

B. Position two non-slip pads under table feet.

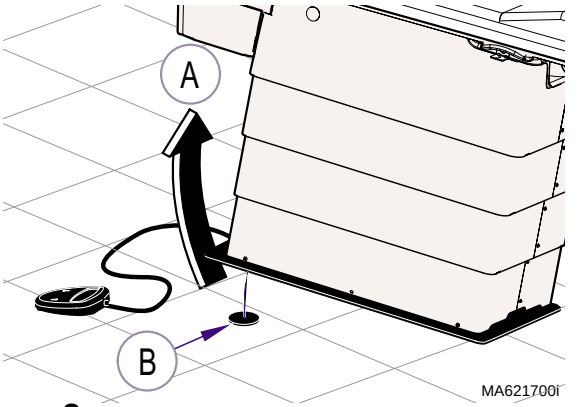


Figure 3.

Electrical Requirements

WARNING

Most exposed metal parts of the table are electrically grounded. When performing a cauterization or similar treatment, the patient must be insulated from the metal portions of the table by non-conductive material. Failure to do so could result in electrical shock or burns to patient.
For 115 VAC units, use 115 VAC, 50/60 HZ alternating current only.
For 230 VAC units, use 230 VAC, 50/60 HZ alternating current only.
Failure to do so could result in electrical shock to personnel and will result in damage to table.

NOTE

Grounding reliability can only be achieved if this equipment is connected to an equivalent receptacle marked “Hospital Only” or “Hospital Grade”.

The three-pronged grounding plug on the table power cord must be plugged into a matching three-pronged, grounded, dedicated, correctly polarized receptacle. The table power cord provides power for all electrical functions of the table *(including optional drawer heater & duplex receptacle)*.

Connecting the Power Cord

[Figure 4]

A. Plug female end of power cord into IEC inlet on table.

B. Plug male end of power cord into properly rated receptacle.

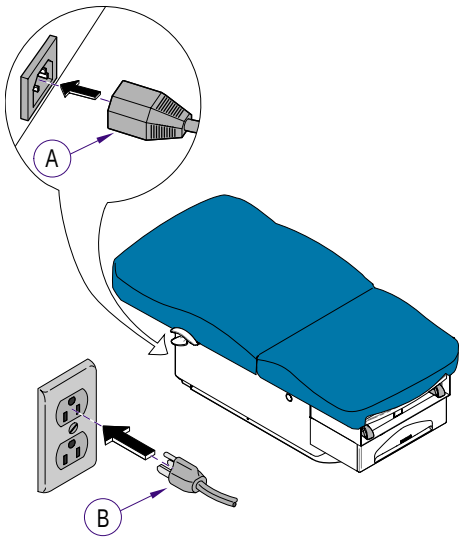


Figure 4.

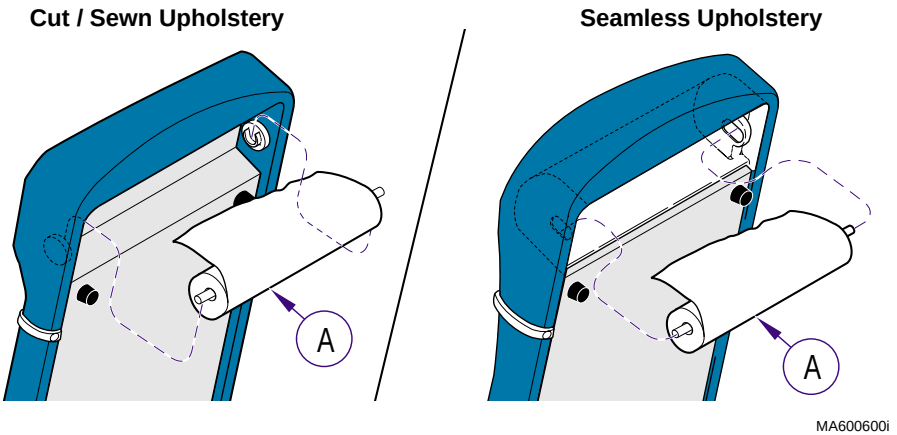
MA600100i

Installing the Paper Roll & Tear Straps *[Figure 5]*

NOTE
Maximum Paper Roll Dimensions: ..... 21 in. long x 3.5 in. diameter
(53.3 cm long x 8.9 cm diameter)

[Four paper rolls (max.) may be stored under back section]

A. Slide dowel rod through the paper roll. Then insert dowel rod ends into two sockets *[under head end of upholstery]*.



B. Pull paper over table top.

C. Attach two tear straps to snaps on each side of table top.

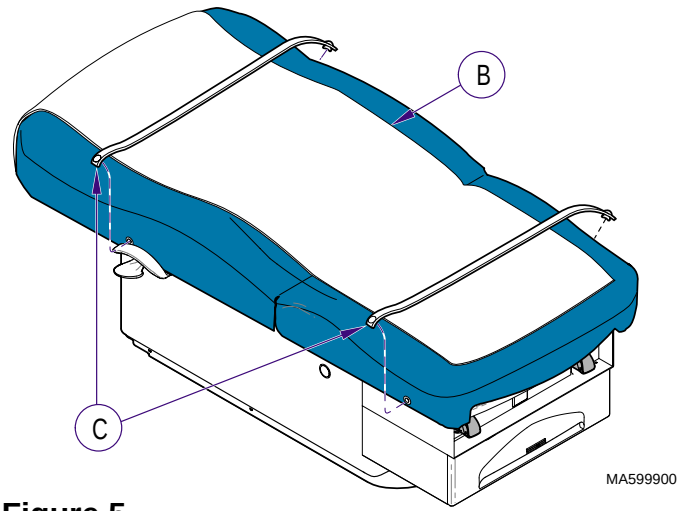


Figure 5.

OPERATION

Safety Instructions *[Figure 6]*

CAUTION

When lowering the table, large objects trapped under the footrest or upholstered top may cause the table to tip. Keep area around table clear when lowering.

At the table's lowest height *[18 in. (45.7 cm)]*, the clearance between the bottom of the drawer and the floor is approximately 3.5 in. (9 cm). Make sure patient *(esp. feet)* and all objects are clear of this area before lowering table.

Failure to comply with these instructions may result in injury to patient and/or damage to equipment.

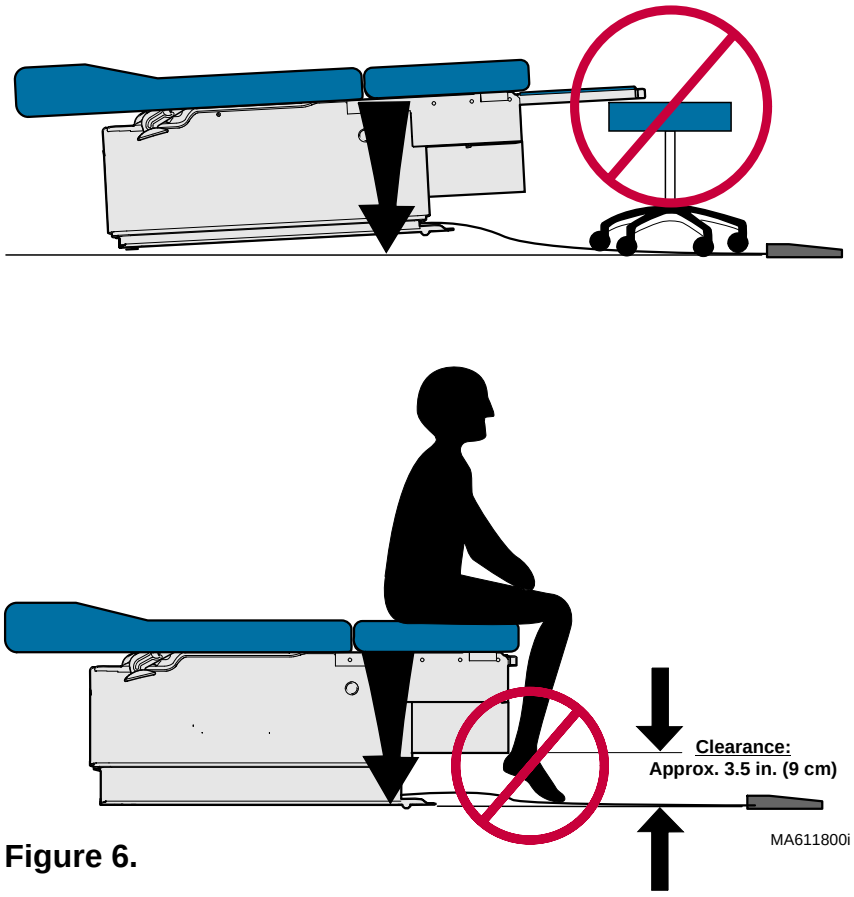


Figure 6.

Table Up / Down Operation *[Figure 7]*

ATTENTION!
If the table malfunctions, immediately release foot pedal, unplug the table power cord, and assist the patient from the table. If table continues to malfunction, call for service.

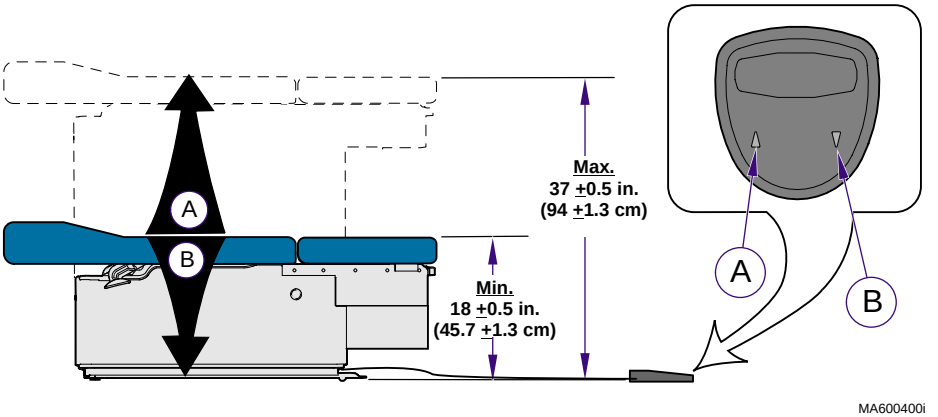


Figure 7.

To raise table...

A. Press and hold left side of foot control pedal.
Release foot control pedal to stop movement.

To lower table...

B. Press and hold right side of foot control pedal.
Release foot control pedal to stop movement.

NOTE
The table automatically stops at its maximum & minimum height.

Back Section Operation *[Figure 8]*

A. Squeeze handle on either side of table.

B. Position back section.

C. Release handle to lock back section in place.

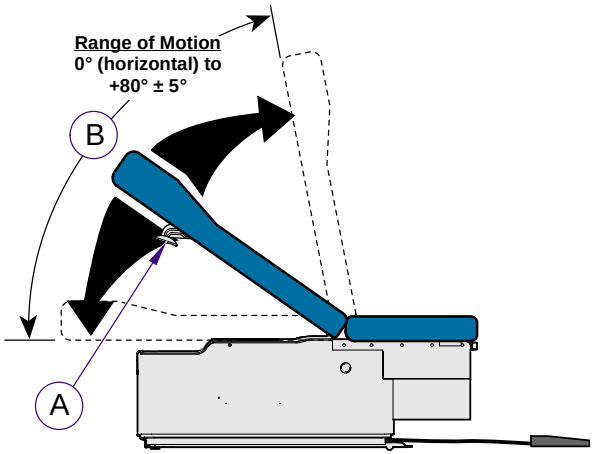


Figure 8.

Stirrups *[Figure 9]*

CAUTION
The stirrups are not intended to support the patient's entire weight. Excessive force will damage the stirrups and could result in injury to the patient.

A. Lift stirrup slightly, pull out to desired length, and unfold.

B. Lift stirrup slightly, and move right or left to one of the four lateral positions.

C. Release stirrup to lock into desired position.

CAUTION
Be sure stirrups are locked in place before using.
Failure to do so could result in injury to patient.

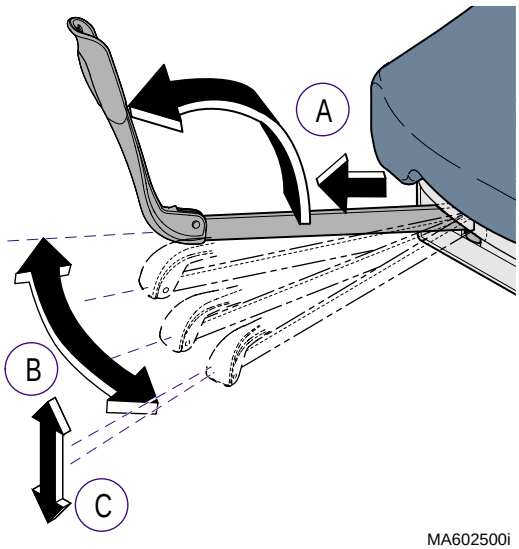


Figure 9.

Footrest & Treatment Pan

[Figure 10]

CAUTION
Do not use footrest to support entire weight of patient. Failure to comply may result in injury to patient and/or damage to table.

To extend footrest...

A. Pull footrest out to desired position.

To access treatment pan...

B. Lift footrest pad slightly and slide pad back into table.

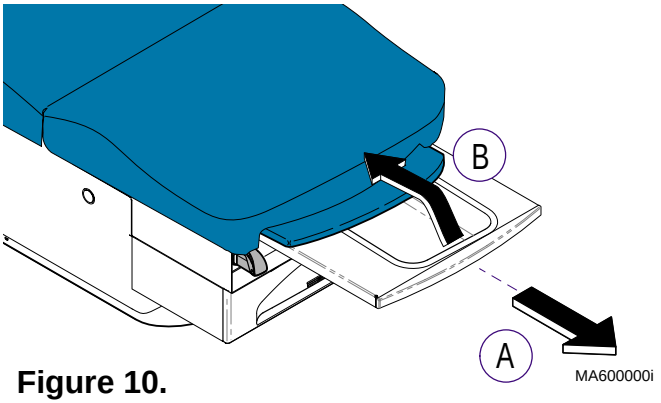


Figure 10.

NOTE
To return footrest pad to original position, slide footrest all the way into table.

Exam Assistant™ Drawer System

[Figure 11]

To lower drawer front ...

A. Pull drawer front down until it is horizontal.

EQUIPMENT ALERT
The maximum weight the shelf will support is 10 lbs. If weight limit is exceeded, the shelf will fold down causing objects on shelf to fall.

If drawer front folds past horizontal...

B. Press two tabs and swing drawer front upward.

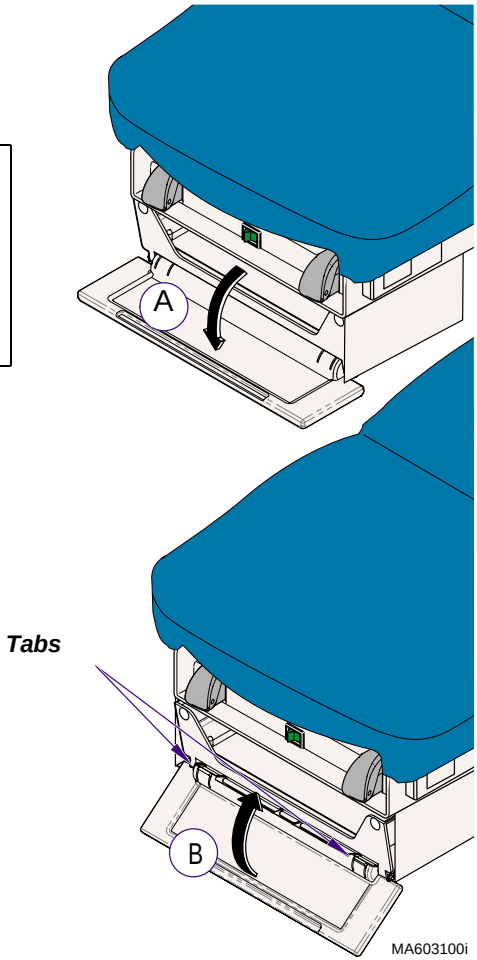


Figure 11.

Pelvic Tilt (optional)

[Figure 12]

To raise seat section...

A. Lift seat section until support bar springs upward. Release seat section.

To return seat section to horizontal position...

B. Lift seat section slightly.

C. Push support bar toward head end of table. Release seat section.

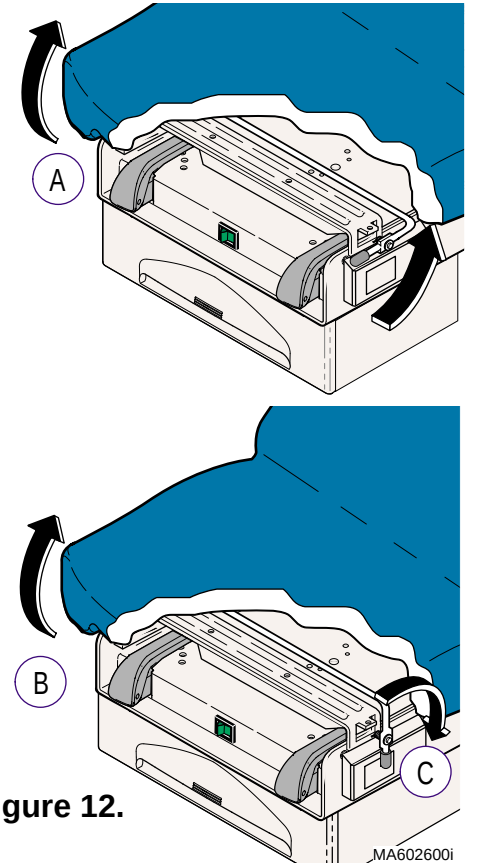


Figure 12.

Drawer Heater (optional) *[Figure 13]*

The drawer heater warms the contents of the drawer to approximately 98°F (37°C).

The heater switch turns the drawer heater ON (**I**) and OFF (**O**).

> **NOTE**
> The heater switch illuminates when heater is ON (**I**).

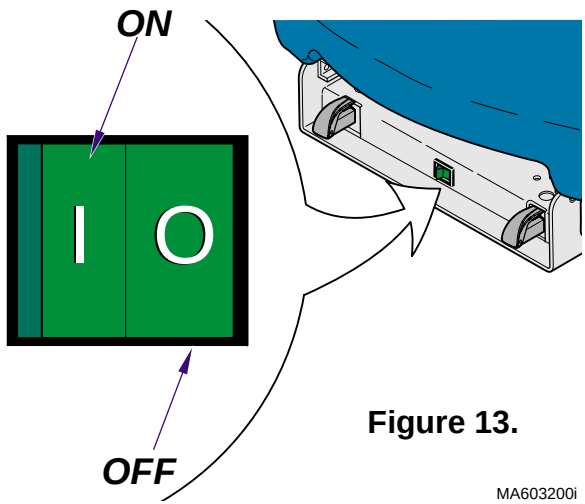


Figure 13.

Duplex Receptacle (optional)

[Figure 14]

NOTE
This option is not available on 230 VAC models.

The duplex receptacle provides power for accessories used during medical examinations. The table's circuit breaker *[located under seat section]* interrupts power to the receptacle if the receptacle's maximum load is exceeded.

Maximum Load *[both receptacles combined]*: .....115 VAC, 5 amps

To reset circuit breaker...

A. Lift seat section.

B. Pull footrest out.

C. Push circuit breaker switch to reset.

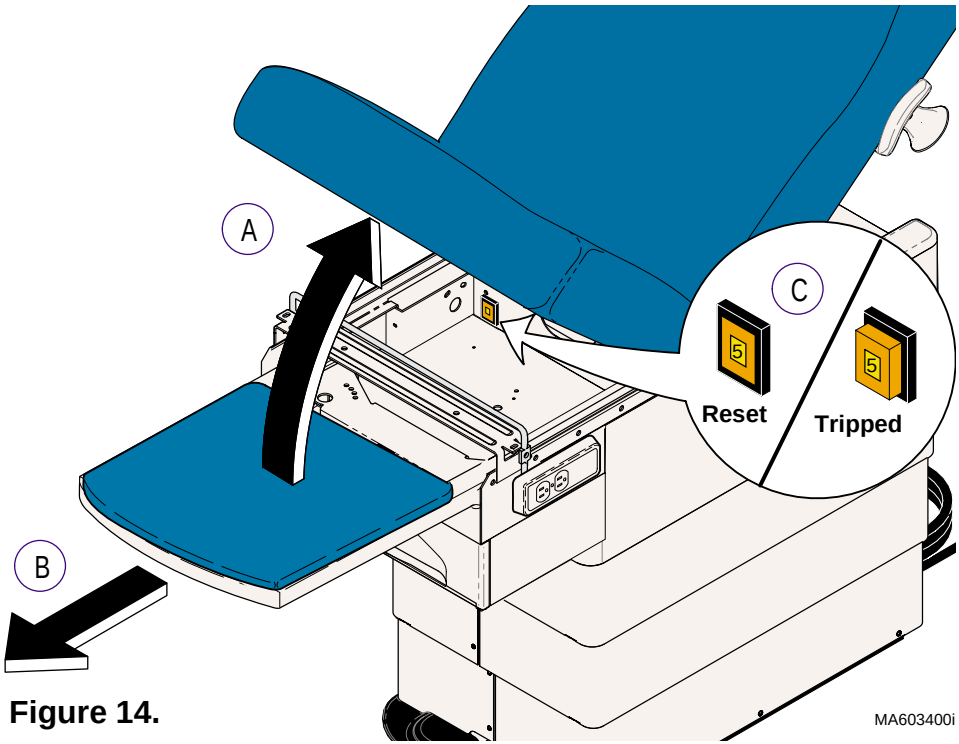


Figure 14.

List of Authorized Accessories

The accessories authorized for use with this table are listed below.

Accessory Name	Order Number	Restrictions / Intended Use
Procto Rest	9A04001	***Intended Use*** - To provide patient support and positioning during proctological examinations.
Stainless Steel Treatment Pan	9A70000	***Intended Use*** - To contain liquid spilled during urologic procedures.
UrologyDrain Pan w/hose	9A104001	***Intended Use*** - To contain liquid spilled during urologic procedures.
Knee Crutches (pair)	9A319002	***Intended Use*** - To support patient's knees & legs.
Clamps/Brackets only (Knee Cruches)	9A319003	***Intended Use*** - To attach knee crutches to table.
Rear Storage Pod	9A313001	***Intended Use -*** To provide additional storage space at the exam table.
Adjustable Arm System	9A314001	***Intended Use*** - To provide patient support while mounting or dismounting table.
Welch-Allyn Bracket ***(fits 48700 Light)***	9A315001 *(plant)* 9A315002 *(field)*	***Intended Use*** - To hold a Welch Allyn light on the table.

OPERATOR MAINTENANCE

Preventive Maintenance

Periodically inspect the following areas:

- Power cord should be free of cuts or other visible damage.
- All fasteners should be present and tightened securely.
- All mechanical functions should operate properly.

Periodically lubricate the following areas to maintain quiet, smooth operation:

- Back hinge using a light machine oil
- Footrest slide channels using household furniture wax.

Have your table inspected by an authorized service technician every six months.

Cleaning

EQUIPMENT ALERT

The table's upholstery is resistant to most medicinal-type stains, but may be damaged by solvents and dyes. Immediately remove any fluids spilled on the upholstery.

Clean upholstery with 5% bleach/water solution.

Clean the table weekly, wiping the painted metal and plastic surfaces with a clean, soft cloth, and mild cleaners. Periodic applications of common furniture wax will ease cleaning and maintain the finished luster of the table.

COMPONENTS OVERVIEW

Figure 15 shows the location of the table's major components. Refer to chart below for description of components.

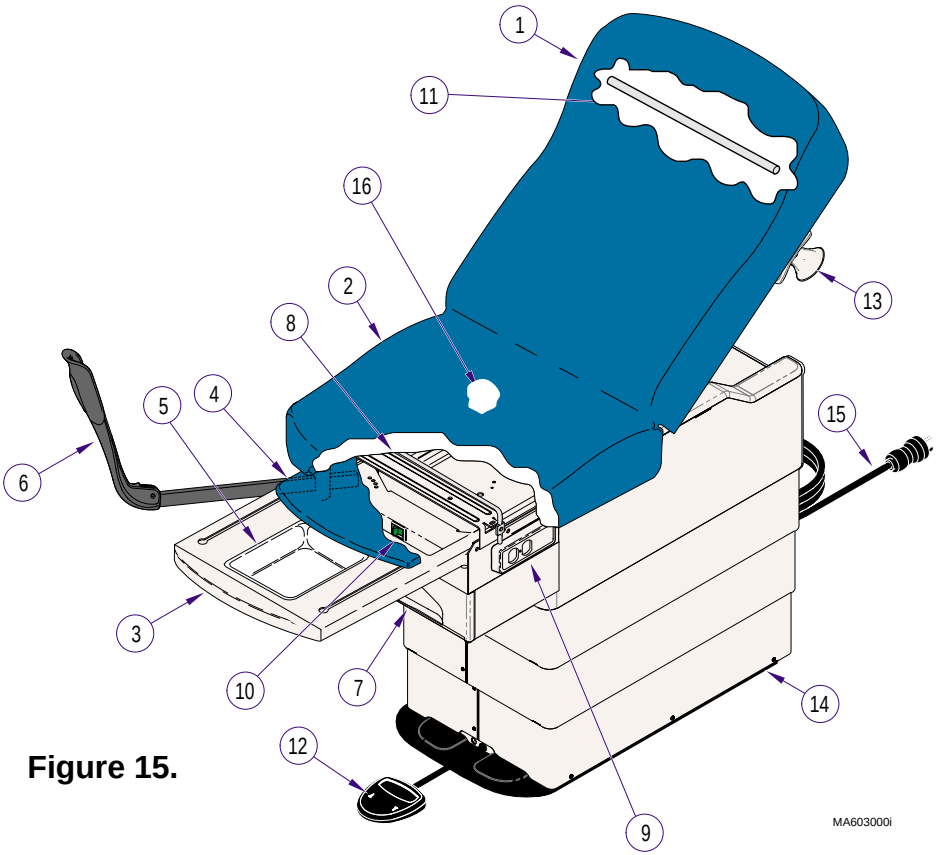


Figure 15.

DESCRIPTION OF COMPONENTS

1. Back Section (adjustable angle)	9. Duplex Receptacle (optional)
2. Seat Section (adjustable height)	10. Drawer Heater (optional)
3. Foot Rest Shelf (extendable)	11. Paper Roll Dowel
4. Footrest Pad (removable)	12. Foot Control
5. Treatment Pan	13. Release Handle
6. Stirrups	14. Leveling Screws
7. Storage Drawer	15. Power Cord
8. Pelvic Lift Bar (optional)	16. Circuit Breaker (units w/Duplex Receptacle only)

CONTROLS & INDICATORS

Figure 16 shows the controls & indicators for the table. The chart below describes each function.

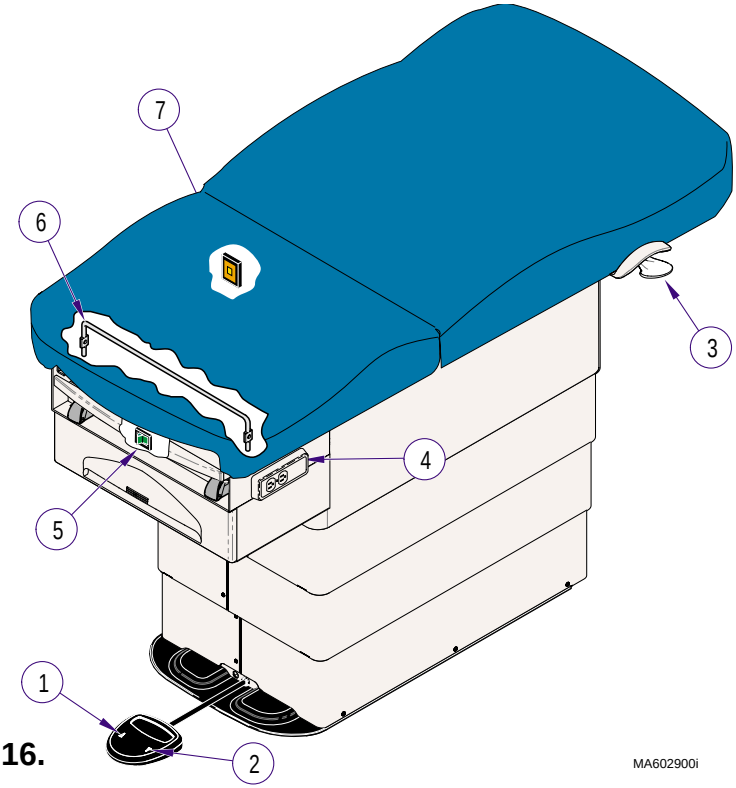


Figure 16.

Ref.	Control	Function
1	*TABLE UP pedal*	*raises the table top*
2	*TABLE DOWN pedal*	*lowers the table top*
3	*release handle*	*releases back section so it may be repositioned*
4	*duplex receptacle (optional)*	*provides power for accessories used during an examination or procedure.*
5	*heater on / off switch (optional)*	*turns the drawer heater on /off. Switch illuminates to indicate the heater is operating.*
6	*pelvic lift support bar*	*supports seat section in pelvic lift position when seat section is raised.*
7	*circuit breaker (units w/ duplex receptacle only)*	*protects duplex receptacle and associated wiring.*

CALLING FOR SERVICE

Contact your Midmark authorized dealer, or log onto www.midmark.com to locate your nearest service provider.
Model /serial number information will be required when calling for service.
To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662
8:00 a.m until 6:00 p.m. Monday through Thursday &
8:00 a.m until 5:00 p.m. Friday (Eastern Standard Time in the U.S.)
[excluding standard U.S. holidays]

SPECIFICATIONS

Patient Weight (Maximum) ..... 400 lbs (181.4 kgs)

Paper Roll (maximum size): ..... 21 in. long x 3.5 in. diameter (53.3 x 8.9 cm)

Range of Motion & Dimensions ..... (See ***Range of Motion & Dimensions*** section)

Weight of Table: ..... 325 lbs (147.4 kg)
w/shipping skid: ..... 375 lbs (192.7 kg)

Power Cord: ..... 8 ft. (243.8 cm) long

Electrical Requirements: ..... (See ***Table 1*** on following page)

Foot Control Voltage: ..... 14 VAC, SELV (Safety Extra Low Voltage)

Duplex Receptacle (optional)
maximum load: ..... 115 VAC, 5A

Fuses:
115/230 VAC models:
F1 & F2 *(on main PC board)* ..... 10A, 250V, Slo-Blo, 1/4" x 1 1/4"
F3 *(on main PC board)* ..... 5A, 250V, Slo-Blo, 1/4" x 1 1/4"
F4 *(on main PC board)* ..... 187 mA, 250V, Slo-Blo, 1/4" x 1 1/4"
Models w/ drawer heater (optional)
distribution board fuses (2) ..... .800 mA, 250V, Slo-Blo, 5 x 20mm
230 VAC models only:
located next to IEC inlet (2) ..... 4A, 250V, Slo-Blo, 5 x 20 mm

Duty Cycle: ..... Intermittent Operation
[30 seconds ON / 5 minutes off (motor run time)]

Classifications: ..... Class 1, Type B Applied Part, Ordinary Equipment, Intermittent Operation

Protection against ingress of fluids ... IPX1

Regulatory Compliance: ..... (See ***Table 1*** on following page)

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or with oxygen, or nitrous oxide.

Table 1. Regulatory Compliance / Electrical Ratings

Model	Description	Serial Number Prefix	Complies to:							Electrical Ratings		
			UL 2601	CAN/CSA 22.2, #601.1-M90	UL 544	CAN/CSA 22.2, #125	EN 60601-1-2 (EMC)	EN 60601-1	CE	Voltage (AC) +10%	Amperage	Cycle (Hz)
222-001	Ritter Basic Table *(cut / sewn top)*	RG	✓	✓			✓	✓	✓	115	5.5	50/60
222-002	Ritter Basic Table w/Receptacle *(cut / sewn top)*	RH			✓	✓	✓		✓	115	10.5	50/60
222-003	Ritter Basic Table w/Heater, Pelvic Tilt *(cut / sewn top)*	RJ	✓	✓			✓	✓	✓	115	6	50/60
222-004	Ritter Basic Table w/Receptacle, Heater, Pelvic Tilt *(cut / sewn top)*	RK			✓	✓	✓		✓	115	11	50/60
222-005	Ritter Basic Table *(seamless top)*	RG	✓	✓			✓	✓	✓	115	5.5	50/60
222-006	Ritter Basic Table w/Receptacle *(seamless top)*	RH			✓	✓	✓		✓	115	10.5	50/60
222-007	Ritter Basic Table w/Heater, Pelvic Tilt *(seamless top)*	RJ	✓	✓			✓	✓	✓	115	6	50/60
222-008	Ritter Basic Table w/ Receptacle, Heater, Pelvic Tilt *(seamless top)*	RK			✓	✓	✓		✓	115	11	50/60
222-009	Ritter Basic Export Table *(cut / sewn top)*	RL					✓	✓	✓	230	2.75	50/60
222-010	Ritter Basic Export Table w/Heater, Pelvic Tilt *(cut / sewn top)*	RM					✓	✓	✓	230	3	50/60

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RANGE OF MOTION & DIMENSIONS *[Figure 17]*

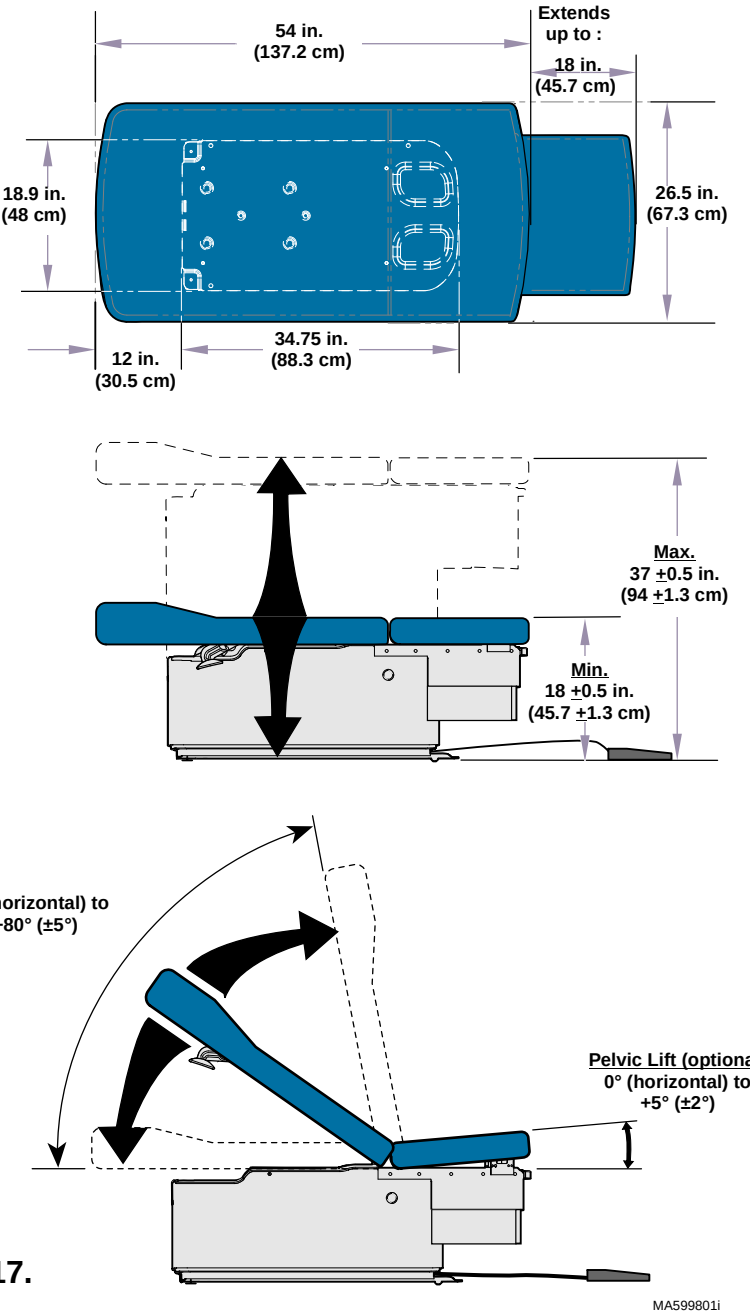

Figure 17.

LIMITED WARRANTY

SCOPE OF WARRANTY

Midmark Corporation (“Midmark”) warrants to the original purchaser its new Alternate Care products and components (except for components not warranted under “Exclusions”) manufactured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark’s obligation under this warranty is limited to the repair or replacement, at Midmark’s option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark “Installation” and or “Installation / Operation Manual for this applicable product. (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY

Midmark’s only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profits or loss of use.

NO AUTHORIZATION

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK’S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

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NOTES:

NOTES:

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DECLARATION OF CONFORMITY

MIDMARK CORPORATION

Midmark Corporation declares that **Exam Tables 222-001 thru -010** conform to the applicable requirements of the Medical Device Directive 93/42/EEC, Annex VII.

Model 222-001 Serial Numbers: RG1000 to present.
Model 222-002 Serial Numbers: RH1000 to present.
Model 222-003 Serial Numbers: RJ1000 to present.
Model 222-004 Serial Numbers: RK1000 to present.
Model 222-005 Serial Numbers: RG1000 to present.
Model 222-006 Serial Numbers: RH1000 to present.
Model 222-007 Serial Numbers: RJ1000 to present.
Model 222-008 Serial Numbers: RK1000 to present.
Model 222-009 Serial Numbers: RL1000 to present.
Model 222-010 Serial Numbers: RM1000 to present.

Quality Assurance Manager

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